

OUPK
2/10/2001 #3

Serial Number: 09/875,494

CRF Processing Date: 2/10/2001
Edited by: [Signature]
Verified by: [Signature] (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/lifeline at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/875,494

DATE: 07/10/2001

TIME: 11:51:32

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102001\I875494.raw

5 <110> APPLICANT: Schmidt, Brian
6 Chen, Tseng-hui
8 <120> TITLE OF INVENTION: Novel Leader Peptides for Enhancing Secretion of Recombinant
Protein from
9 a Host Cell
11 <130> FILE REFERENCE: COUL-012-01
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/875,494
C--> 13 <141> CURRENT FILING DATE: 2001-06-05
13 <150> PRIOR APPLICATION NUMBER: US 60/209,517
14 <151> PRIOR FILING DATE: 2000-06-05
16 <160> NUMBER OF SEQ ID NOS: 25
18 <170> SOFTWARE: PatentIn version 3.0
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22 <212> TYPE: PRT
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25 <220> FEATURE:
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33 Phe Met Ala Gly Arg Ala Asn Ala
34 20
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38 <212> TYPE: PRT
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42 <223> OTHER INFORMATION: synthetic peptide
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49 Met Phe Thr Gln Pro Ala Asn Ala
50 20
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53 <211> LENGTH: 24
54 <212> TYPE: PRT
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57 <220> FEATURE:
58 <223> OTHER INFORMATION: synthetic peptide
60 <400> SEQUENCE: 3
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63 1 5 10 15
65 Leu Ser Met Thr Pro Ala Tyr Ala
66 20
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 24
70 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 07/10/2001

PATENT APPLICATION: US/09/875,494

TIME: 11:51:32

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Output Set: N:\CRF3\07102001\I875494.raw

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      79 1          5          10          15
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      82          20
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      86 <212> TYPE: DNA

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      90 <223> OTHER INFORMATION: synthetic
      92 <400> SEQUENCE: 5
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      95 cgttgcagta gctgcgctga tcttcatggc cggaagggcc aacgct      106
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      99 <211> LENGTH: 106
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      117 <220> FEATURE:
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      123 attcgctctg gcgctcctgg ctctttctat gaccccggcg tacgct      106
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      127 <211> LENGTH: 106
      128 <212> TYPE: DNA

C--> 129 <213> ORGANISM: Artificial
      131 <220> FEATURE:
      132 <223> OTHER INFORMATION: synthetic
      134 <400> SEQUENCE: 8
      135 acccggttttt ttgggctaac aggaggaatt aaccatgggt cgtaaacaga ccgcagtagc      60
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      141 <211> LENGTH: 74
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C--> 143 <213> ORGANISM: Artificial
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/875,494

DATE: 07/10/2001

TIME: 11:51:32

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102001\I875494.raw

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146 <223> OTHER INFORMATION: synthetic
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151 gaagggccaa cgct                                                         74
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 74
156 <212> TYPE: DNA
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159 <220> FEATURE:
160 <223> OTHER INFORMATION: synthetic
162 <400> SEQUENCE: 10
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165 agccggcgaa cgct                                                         74
168 <210> SEQ ID NO: 11
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173 <220> FEATURE:
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176 <400> SEQUENCE: 11
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179 ccaacgcgta cgct                                                         74
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187 <220> FEATURE:
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190 <400> SEQUENCE: 12
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193 ccccggcgta cgct                                                         74
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198 <212> TYPE: DNA
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212 <212> TYPE: PRT
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215 <220> FEATURE:
216 <223> OTHER INFORMATION: synthetic peptide
218 <400> SEQUENCE: 14
220 Met Gly Lys Lys Gln Thr Ala Val Ala Phe Ala Leu Ala Leu Leu Ser
221 1          5          10          15

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/875,494

DATE: 07/10/2001

TIME: 11:51:32

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102001\I875494.raw

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241 <211> LENGTH: 69
242 <212> TYPE: DNA
243 <213> ORGANISM: Escherichia coli
245 <400> SEQUENCE: 16
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248 gcgtacgt                                                            69
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252 <211> LENGTH: 23
253 <212> TYPE: PRT
254 <213> ORGANISM: Escherichia coli
256 <400> SEQUENCE: 17
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261 Ile Ala Thr Asn Ala Tyr Ala
262                20
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265 <211> LENGTH: 68
266 <212> TYPE: DNA
267 <213> ORGANISM: Erwinia carotovora
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270 ccatgaaata cctgctgccg accgctgctg ctgggtctgct gctcctcgct gccagccgg    60
272 cgaacgct                                                            68
275 <210> SEQ ID NO: 19
276 <211> LENGTH: 22
277 <212> TYPE: PRT
278 <213> ORGANISM: Erwinia carotovora
280 <400> SEQUENCE: 19
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285 Ala Gln Pro Ala Asn Ala
286                20
288 <210> SEQ ID NO: 20
289 <211> LENGTH: 65
290 <212> TYPE: DNA
291 <213> ORGANISM: Escherichia coli
293 <400> SEQUENCE: 20
294 ccatgaaaaa gacagctatc gcgattgcag tggcactggc tggtttcgct accgtagcgc    60

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/875,494

DATE: 07/10/2001

TIME: 11:51:32

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102001\I875494.raw

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296 aggcc 65
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300 <211> LENGTH: 21
301 <212> TYPE: PRT
302 <213> ORGANISM: Escherichia coli
304 <400> SEQUENCE: 21
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307 1 5 10 15
309 Thr Val Ala Gln Ala
310 20
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314 <212> TYPE: DNA
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317 <220> FEATURE:
318 <223> OTHER INFORMATION: synthetic
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326 <212> TYPE: PRT
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338 20
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342 <212> TYPE: DNA
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345 <220> FEATURE:
346 <223> OTHER INFORMATION: synthetic
348 <400> SEQUENCE: 24
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355 <211> LENGTH: 16
356 <212> TYPE: DNA
C--> 357 <213> ORGANISM: Artificial
359 <220> FEATURE:
360 <223> OTHER INFORMATION: synthetic
362 <400> SEQUENCE: 25
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/875,494

DATE: 07/10/2001

TIME: 11:51:33

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102001\I875494.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:23 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:39 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:55 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:71 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:87 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/875,494

DATE: 07/10/2001

TIME: 11:51:07

Input Set : A:\875494.txt

Output Set: N:\CRF3\07102001\I875494.raw

Does Not Comply
Corrected Diskette Needed

5 <110> APPLICANT: Schmidt, Brian
 6 Chen, Tseng-hui
 8 <120> TITLE OF INVENTION: Novel Leader Peptides for Enhancing Secretion of Recombinant Protein from
 9 a Host Cell
 11 <130> FILE REFERENCE: COUL-012-01
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/875,494
 C--> 13 <141> CURRENT FILING DATE: 2001-06-05
 13 <150> PRIOR APPLICATION NUMBER: US 60/209,517
 14 <151> PRIOR FILING DATE: 2000-06-05
 16 <160> NUMBER OF SEQ ID NOS: 25
 18 <170> SOFTWARE: PatentIn version 3.0

ERRORED SEQUENCES

354 <210> SEQ ID NO: 25
 355 <211> LENGTH: 16
 356 <212> TYPE: DNA
 C--> 357 <213> ORGANISM: Artificial
 359 <220> FEATURE:
 360 <223> OTHER INFORMATION: synthetic
 362 <400> SEQUENCE: 25
 363 taatgaattc aagctt
 E--> 366 10.
 E--> 368 1.

16

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/875,494

DATE: 07/10/2001

TIME: 11:51:08

Input Set : A:\875494.txt

Output Set: N:\CRF3\07102001\I875494.raw

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:39 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
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L:343 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:357 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
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M:254 Repeated in SeqNo=25
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L:368 M:252 E: No. of Seq. differs, <211>LENGTH:Input:16 Found:18 SEQ:25